

Jan. 23, 1930

Dear Charlie -

I wrote you a 4 page letter & then tore it up as I was disgusted with life as it was but have turned over a new day & feel better.

The paper arrived. Dr. Sharp has looked it over & turned it over to me. I have not gotten at it yet but will do so as soon as I can.

I had a calamity with my plants. I asked Carl Pratt to spray them for red spiders. The next morning nearly all of them were dead. ^{no more than 100 plants or so} It is a bad loss as it means I have no spring crops & berries & extra shr. types of the right type of loss are lost - I have no more stock of either to come. It is a long story & I feel a bit sad over the loss, naturally - It was so avoidable, as so many of these accidents are.

So much for the calamity. The slides & filters arrived OK. Only 1 slide broke - the one of my ring, not, however, in the spray area. I don't care about it anyway.

Yesterday I looked at that note in Nature of October. The drawings are poor but the ideas are O.K. altho a bit weak.

I got a bit of a report as the result of the meetings but it has all gone now. I counted 6-ly H cells & got as follows - 122 (2H); 66 (2H); 1 haploid.

of the 35% up. the amount remaining after 20% of gametes produced by lagging them. Assume $b_i + u_{i1} =$ no crossover of u_{i1} with b_i . Then b_i has some relation as to crossover as in normal plants -

$$\begin{array}{l} \text{approx. } 1/3 \text{ gametes due to } b_i + u_{i1} \text{ or } \begin{array}{l} 10 \text{ chr.} \\ \text{gametes} \end{array} \quad | \quad 1/3 \\ \text{" } 2/3 \text{ " " " } t_{i1} \quad = \quad \frac{1/2 \text{ } 10 \text{ chr.}}{1/2 \text{ " chr.}} \quad | \quad 1/3 \end{array}$$

Since upper two only one that function there follow then 1/2 gametes as result of lagging + 1/2 as result of random distribution. The 1/2 from ~~non~~ lagging should give normal cross over types approx 50%. The other 1/2 should show 1/3rd off. Total amt of crossing-over should be 1/6th less.

About jobs - I have heard nothing as yet. What I do all depends on what Randolph does. If he goes I feel sure I will be advanced & get an assistant. If he stays I shall be as I am now. I have not heard anything from Brink. Emerson & Foster have responded as to the situation. I think I Tades feels it is either me or Randolph for the Missouri job. Emerson seems not to care whether I go or whether Randolph goes. I rather think he thinks one of us should go. He told me that if Randolph should decide to stay he would have to change his way & Emerson feels confident he will especially if I go.

It is an uncertain situation which I don't particularly enjoy. I wish I knew how Randolph was going to act. He is trying hard to make up with everyone. About the Missouri job for me - Emerson feels that Richey - Randolph's boss - might make it hot for me for he is under the impression that I stole Randolph's chromosome morphology data & published it as my own. Richey could not have gotten that impression except from Randolph - well, anyway, everything is not too rosey but here's hoping.

I have the 2-8 paper about all written. Am so low in the necessary vitality & push that I can't seem to muster up enough energy to push it over the top. Henry is coming right along with the counts. He did 70 (seventy) in one day - quite a record. So far there is only 1 very nice there the pollen. He has made over several hundred counts. Also - Henry asks me to ask you if you know a Mr. Haig, ^(first name) Turkish boy. Also look up Clarence Kobuski there at Bussey. We were in college together. He is a lot of fun.

So much for this blue letter. I'll make the next one more cheerful - & hope -
 Sincerely,
 Barb.